

CLAIMS

1. The method for dehalogenation detoxication of halogenated aromatic and/or cyclic compounds, characterized in that at least one halogenated aromatic and/or cyclic compound is heated on a support matrix in a closed system at a temperature of 200 to 500 °C in the presence of copper in metallic form and/or in the form of copper compounds, a hydrogen donor, carbon and at least one additional reducing substance, capable of reducing cupric and cuprous ions to elemental copper at the above temperature.
2. The method according to claim 1, characterized in that at least one of the additional reducing agents consists in a copper compound with the character of a reducing substance.
3. The method according to claim 1 or 2, characterized in that the support matrix is a material contaminated by the halogenated aromatic and/or cyclic compound intended for dehalogenation detoxication.

Annotation

Name of the invention: Method for dehalogenation detoxication of halogenated aromatic and/or cyclic compounds

A method for dehalogenation detoxication of halogenated aromatic and/or cyclic compounds, based on the fact that at least one halogenated aromatic and/or cyclic compound is heated on a support matrix in a closed system at a temperature of 200 to 500 °C in the presence of copper in metallic form and/or in the form of copper compounds, a hydrogen donor, carbon and at least one additional reducing substance, capable of reducing cupric and cuprous ions to elemental copper at the above temperature.